



CLAIMS

What is claimed is:

1. A burner head comprising a gas passage and a burner port which are formed,
5 by joining together oppositely-arranged plate members either or both of which are provided with recessed portions having shapes corresponding to said gas passage and to said burner port respectively, between said plate members,

regions of at least one of said plate members that is provided with said recessed portions, for formation of said gas passage and said burner port, are each formed of a
10 respective metal primary material having characteristics selected according to each said region, and said entire plate member is comprised of a single sheet of metal flat-plate material formed by uniting different types of plate-like metal primary materials having different characteristics.

15 2. The burner head as set forth in claim 1,
wherein:

said metal flat-plate material is a combination of a first metal primary material having high heat resistance and a second metal primary material having high
workability, and

20 said burner-port constituting region and said gas-passage constituting region are formed, by press molding, in a first section of said metal flat-plate material which is formed of said first metal primary material and in a second section of said metal flat-plate material which is formed of said second metal primary material, respectively.

3. The burner head as set forth in either claim 1 or claim 2,

wherein:

said metal flat-plate material is comprised of different types of plate-like metal
primary materials of different characteristics, said different types of plate-like metal
5 primary materials being united together at end edges thereof in the same plane by butt-
welding.

4. The burner head as set forth in claim 3,

wherein:

10 each said end edge of said plurality of plate-like metal primary materials extends
straightway so that a butt-welding region of said metal flat-plate material extends
straightway, and

said butt-welding region is located at such a position between said burner-port
constituting region and said gas-passage constituting region that said burner-port and
15 gas-passage constituting regions each undergo a minimum variation in shape.

5. The burner head as set forth in claim 3,

wherein:

said butt-welding operation is carried out by laser welding.

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6. A gas burning appliance comprising a burner head as set forth in any one of
claims 1-5.

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